GenCore version 5.1.6 Copyright (c) 1993 - 2004 Compugen Ltd.

```
ost-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           aximum DB seq length: 0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 otal number of hits satisfying chosen parameters:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               itle:
erfect score:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          E
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              M protein -
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             coring table:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.
                                                                                                                                  1010
930.5
930.5
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            protein search, using sw model
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Pebruary 10, 2004, 16:18:30; Search time 11.5063 Seconds (without alignments)
731.761 Million cell updates/sec
      Issued_patents_AA;*

1. /cgn2 {/ptodata/1/iaa/5A_COMB.pep;*
2. /cgn2 {/ptodata/1/iaa/5B_COMB.pep;*
3. /cgn2_6/ptodata/1/iaa/6A_COMB.pep;*
4. /cgn2_6/ptodata/1/iaa/6B_COMB.pep;*
5. /cgn2_6/ptodata/1/iaa/PCTUS_COMB.pep;*
6: /cgn2_6/ptodata/1/iaa/backfIles1.pep;*
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       BLOSUM62
Gapop 10.0 , Gapext 0.5
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       US-10-083-336A-5
1025
1 MIPPKQYPIINFTTAGATVQ......ARPQYIEGEMRTRIRYNRRS 199
                                                                                                                                                                                                                                                                                                                                                                                                                                                                        100.0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   328717 seqs, 42310858 residues
                                                                                                                                                                                                                                    US-09-610-830-1
PCT-US92-09487-1
US-08-378-761A-27
                                                      US-08-378-761A-27
US-08-485-286-27
5248606-4
US-08-218-303-16
US-08-338-793D-61
US-09-538-873-71
US-08-378-761A-77
US-08-38-761A-77
US-08-485-286-77
US-08-485-286-77
US-08-485-286-76
US-08-485-286-76
US-08-485-286-76
US-08-485-286-76
US-08-485-286-76
US-08-485-286-66
US-08-485-360-66
                                                                                                                                                                                                                                                                                                                        US-07-988-430-1

US-08-425-336-1

US-08-488-1138-1

US-08-477-4848-1

US-08-6360-1

US-08-639-765-1

US-08-136-389-1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   SUMMARIES
Sequence 8, Appli
Sequence 10, Appli
Sequence 1, Appli
Sequence 27, Appli
Sequence 27, Appli
Sequence 61, Appli
Sequence 6, Appli
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Description
```

|            | 4.              | 4.               | . ه             | 4                |                 |                 | w               | ω.              |                  | w                 | ı.               | ų                | · ·             | (L)             | · w             | <u>.</u>        | N                | 22               |
|------------|-----------------|------------------|-----------------|------------------|-----------------|-----------------|-----------------|-----------------|------------------|-------------------|------------------|------------------|-----------------|-----------------|-----------------|-----------------|------------------|------------------|
|            | 5 312           | 312              |                 | w                |                 |                 | 21              | w               |                  |                   | 5 341,5          |                  |                 |                 |                 |                 |                  | 8 342            |
|            | 30.4            | 30.4             | 30.4            |                  |                 |                 |                 |                 | 17.1             | 32.1              | 33.3             | 33.4             | 33.4            | 33.4            | 33.4            | 33.4            | 4                | 33.4             |
|            | 290             | 290              | 248             | 255              | 255             | 255             | 255             | 251             | 380              | 250               | 282              | 289              | 289             | 289             | 289             | 289             | 289              | 267              |
|            | N               | Н                | w               | G                | Н               | <b>-</b> -      | μ               | 4               | 40               |                   | ۲                | 4                | w               | u               | N               | Н               | -4               | <b>_</b>         |
| ALIGNMENTS | US-08-597-731-2 | US-08-245-754A-2 | US-08-902-486-7 | PCT-US92-09487-6 | US-08-425-336-6 | US-07-988-430-6 | US-07-901-707-6 | US-09-538-873-3 | U8-08-485-286-71 | US-08-378-761A-71 | US-08-324-301-15 | US-09-726-651A-4 | US-08-483-502-4 | US-08-484-341-4 | US-08-482-920-4 | US-08-184-237-4 | US-07-923-692C-4 | US-08-485-286-74 |
|            | Sequence        | Sequence         | Sequence        | Sequence         | Sequence        | Sequence        | Sequence        | Sequence        | Seguence         | Sequence          | Sequence         | Sequence         | əpdərbəs        | Sequence        | Seguence        | Sequence        | Sequence         | Sequence         |
|            | Ņ               | ,                | ,               | 9                | σ,              | 6               | σ,              | سا<br>-         | 71.              | 7                 | 15,              |                  | 4               |                 | 4.              | 4               | 4                | 74,              |
|            | Appli           | Appli            | Appli           | Appli            | Appli           | Appli           | Appli           | Appli           | λppı             | 100               | Appl             | Appli            | Appli           | Appli           | Appli           | Appli           | Appli            | App1             |

US-08-356-786-8 REGISTRATION NUMBER: 27,829
REFERENCE/DOCKET NUMBER: CRP-053
TELECOMUNICATION INFORMATION:
TELEPHONE: (617) 248-7000
TELEPAX: (617) 248-7100
INFORMATION FOR SEQ ID NO: 8:
SEQUENCE CHARACTERISTICS:
LENGTH: 268 amino acids COMPUTER READMALE PORM:

MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, ve
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/356,786 FILING DATE:
CLASSIFICATION: 424
PRIOR APPLICATION NUMBER: 07/831
PRILING DATE: 06-FEB-1992
ATTORNEY/AGENT INFORMATION:
NAME: Pitcher, Edmund R. TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: prot CORRESPONDENCE ADDRESS: PELICANT: Ring, David B.
TILB OF INVENTION: Biosynthetic Binding Protein for Cancer
TILB OF INVENTION: Marker PPLICANT: Huston, James S.
PPLICANT: Oppermann, Hermann
PPLICANT: Houston, L.
PPLICANT: Ring, David B. ADDRESSEE: Edmund R. Pitcher, Boston Massachusetts Exchange Place, protein US/08356786 07/831,967 53 State Street Testa, Hurwitz,

Query Match 100.0%; Score 1025; DB 2; Best Local Similarity 100.0%; Pred. No. 6e-112; Matches 199; Conservative 0; Mismatches 0;

Length 268; Indels 0

0; Gaps

0

MIFPKQYPIINFTTAGATVQSYTNFIRAVRGRLTTGADVRHBIPVLFNRVGLFINQRFIL

60

MIFPKÓYFIINFTTAGATVOSYTNFIRÁVRGRUTTGADVRHEIPVUÞNRVGUFINORFIL 60 VELSNHAELSYTLALDVTNAYVVGYRAGNSAYFFHÞDNQEDAEAITHLFTDVQNRYTFAF 120

VELSNHAELSVILALDVINAYVVGYRAGNSAYFFHPDNQEDAEAITHLFIDVQNRYTFAF 120

음 성 음

19

```
US-08-356-786-10
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                용
                                                         片
                                                                                   Ş
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Patent No.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    equence
                                                                                                                       Matches 199; Conservative
                                                                                                                                     Query Match
Best Local Similarity
                                                                                                                                                                                      MOLECULE TYPE: protein -08-356-786-10
                                                                                                                                                                                                                                    INFORMATION FOR SEQ ID NO: 10: SEQUENCE CHARACTERISTICS:
LENGTH: 534 aming
Type
                                                                                                                                                                                                                                                                                               CLASSIFICATION: 424
PRIOR APPLICATION DATA:
APPLICATION NOWBER: 07/831,967
FILING DATE: 06-FEB-1992
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       COMPUTER READABLE FORM: MEDIUM TYPE: Eloppy
                                                                                                                                                                                                                                                                                                                                                                                             TTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          WEDIUM TYPE: Bloppy disk
COMPUTER: IBM PC COMPATIBLE
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, \
IREMAT APPLICATION DATA;
APPLICATION NUMBER: US/08/356,786
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  TLE OF INVENTION: Biosynthetic Binding Protein for Cancer TLE OF INVENTION: Marker
                                                                                                                                                                                                                    TYPE: amino acid
TOPOLOGY: linear
                                                                                                                                                                                                                                                                                                                                                                                                                                                                          FILING DATE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ADDRESSEE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 181
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               181
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                121
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                121
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    10,
61 VELSNHAELSVTLALDVTVAYVVĞYRAGNSAYPFHPDNQEDAEAITHLPTDVQNRYTFAF 120
                                                                            1 MIFPXQYPIINETTAGATYQSYTNFIRAVRGRLTTGADVRHEIPVLPNRVGLPINQRFIL 60
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      5877305
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            02109
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Boston
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   GGNYDRLEQLAGNLRENIELGNGPLEEAISALYYYSTGGTQLPTLARSFIICIQMISEAA 180
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               RPQYIEGEMRIRIRYNRRS 199
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 REQYIEGEMETRIRYNERS 199
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 GGNYDRLEQLAGNLRENIELGNGPLEEAISALYYYSTGGTQLPTLARSFIICIQMISBAA 180
                                                       MIFPKQYPIINFTTAGATVQSYTNFIRAVRGRLTTGADVRHEIPVLPNRVGLPINQRPIL
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Maggachusects
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Application US/0835678

    Edmund R. Pitcher, Testa, Hurwitz, & Thibeault
Exchange Place, 53 State Street

                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Huston, James S.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Oppermann,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    David B.
                                                                                                              100.0%; Sr
100.0%; Pr
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Hermann
                                                                                                                     Score 1025; DB 2;
Pred. No. 1.7e-111;
); Mismatches 0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Version #1.25
                                                                                                                                                     Length 534;
                                                                                                                     Indels
                                                                                                                     ٥.
                                                                                                                     Gaps
                                                       62
                                                                                                                     0
```

밁

122 GNYDRIEQLAGNIRENIELGNGPLEEAISALYYYSTGGTQLFTLARSFIICIQHISEAAR 181

```
RESULT 3
US-07-901-707-
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                밁
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Ş
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      맑
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       S
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              문
S
                                       8
                                                                          S
                                                                                                                                                                                         US-07-901-707-1
                                                                                                                                                                                                                                                 TELEX: 25-3856
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 267 amin
                                                                                                                   Matches
                                                                                                                                   Query Match
Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                        FILING DATE: 04-NOV-1991
ATTORNEY/AGENT INFORMATION:
NAME: NO. 5376346and, Greta E
REGISTRATION NUMBER: 35,302
REFERENCE/DOCKET NUMBER: 2712
TELECOMMUNICATION INFORMATION:
TELEPHONE: (312) 346-5750
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy COMPUTER: IBM PC com
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOPTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/07/901,707
FILING DATE: 1920619
                                                                                                                                                                                                              MOLECULE TYPE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/787,567
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                NUMBER OF SEQUENCES: 5:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        APPLICANT: Bernhard, Sugan L.
APPLICANT: Better, Marc D.
APPLICANT: Carroll, Steve F.
APPLICANT: Lane, Julie A.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ITLE OF INVENTION: Materials Comprising and Methods of TTLE OF INVENTION: Composition and Use for Ribosome-Inactivating Proteins UNBER OF SEQUENCES: 57
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ADDRESSEE: Marshall, O'Toole, Gerstein, Murray & ADDRESSEE: Bicknell
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              COUNTRY:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                183
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   181
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        123
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           121
                                                                                                                 198;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  3
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Chicago
: Illinois
RY: USA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     , Application US/07901707 5376546
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    60603
                                                                                                                                                                                                                          I: 267 amino acids
AMINO ACID
XGY: linear
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                RPQYIEGEMRIRIRYNRRS 201
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 RPOYIEGEMETRIRYNERS 199
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      GGNYDRLEQLAGNIRENIELGNGPLEEAISALYYYSTGGTQLPTLARSFIICIQMISEAA 182
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               GGNYDRLEQLAGNLRENIELGNGPLEEAISALYYYSTGGTQLPTLARSFIICIQMISEAA 180
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  VELSHHABLSVTLALDVTNAYVVGYRAGNSAYFFHPDNQEDAEAITHLFTDVQNRYTFAF 122
ELSNHAELSVTLALDVTNAYVVGYRAGNSAYFFHPDNQEDAEAITHLFTDVQNRYTFAFG 121
                                                           IPPKQYPIINFTTAGATVQSYTNFIRAVRGRLTTGADVRHBIPVLPKRVGLPINQRFILV 61
                                         IFPKQYPIINPTTAGATVQSYTNPIRAVRGRLTTGADVRHEIPVLPNRVGLPINQRFILV
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Two First National Plaza, 20 South Clark
                                                                                                               99.5%; Score 1020; DB 1; llarity 100.0%; Pred. No. 2.3e-111; Conservative 0; Mismatches 0;
                                                                                                                                                                                                          procein
                                                                                                                                                                                                                                                                                                                                                                                                                                    Greta E.
                                                                                                                                                                                                                                                                                                                                                                                                 27129/30910
                                                                                                                                                      Length 267;
                                                                                                                     Indels
                                                                                                                     ..
                                         60
                                                                                                                     0
```

```
APPLICANT: BALUNA, KOXANA G.
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR
TITLE OF INVENTION: COMPOSITIONS COMPOUNDS
FILE REFERENCE: UTSD: 8840S
CURRENT APPLICATION NUMBER: US/10/282,935
CURRENT FILING DATE: 2002-10-29
FRIOR APPLICATION NUMBER: 09/538,873
PRIOR APPLICATION NUMBER: 09/538,873
PRIOR FILING DATE: 1999-03-30
PRIOR FILING DATE: 1990-03-30
NUMBER OF SEQ ID NOS: 23
SOFTWARE: Patentin Ver. 2.1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      IS-10-282-935-1
                                                                                                                                                                                                                                                                                                                                                           US-10-440-796-1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Query Match
                                                                                                                                                                                                                                                                                                           Sequence 1, Application US/10440796
Publication No. US20040009148A1
               APPLICANT: VITEITA, ELLEN S.
APPLICANT: GERTIB, VICTOR F.
APPLICANT: SMALUSHAW, JOAN
APPLICANT: SMALUSHAW, JOAN
APPLICANT: BALUNA, ROXANA G.
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR AMELIORATING VASCULAR LEAK
TITLE OF INVENTION: SYNDROME (VLS)
FILE REFERENCE: UTSD:603
CURRENT APPLICATION NUMBER: US/10/440,796
CURRENT APPLICATION NUMBER: US/09/538,873
PRIOR APPLICATION NUMBER: US/09/538,873
PRIOR APPLICATION NUMBER: 60/126,826
PRIOR PILING DATE: 2000-03-30
PRIOR APPLICATION NUMBER: 60/126,826
PRIOR PILING DATE: 1999-03-30
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               LENGTH: 267
TYPE: PRT
ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     APPLICANT: VITETTA, ELLEN S.
APPLICANT: GHETIE, VICTOR F.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      OTHER INFORMATION: Description of Artificial Sequence: Synthetic OTHER INFORMATION: Peptide
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               PEATURE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ID NO 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             March 100.0%; Score 1019; DB 12; Local Similarity 100.0%; Pred. No. 2.2e-108; es 198; Conservative 0; Mismarches 0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            181
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                        181
                                                                                                                                                                                                                                                                                                                                                                                                                                                                             181
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        121
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           121 GNYDRLEQLAGNIRENIELGNGPLEEAISALYYYSTGGTQLPTLARSFIICIQMISEAAR 180
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    5
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          13
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      1 WYROYFIINETTAGATYOSYTNEIRAVRGRITTGADVRHEIFYLPNRVGLPINQREILY
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        L Taga
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          FQYIEGEMRTRIRYNRRS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ELSNHABLSVTLALDVINAYVVGYRÅGNSAYFFHPDNQEDABAITHLFTDVQNRYTFAFG
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        GNYDRIEQLAGNIRENIELGNGPLEEAISALYYYSTGGTQLPTLARSPIICIOMISEAAR 180
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    mvekovpiinettagatvos ytneiravrgrlttgadvrheipvlenrvgleinoreilv
SEQ ID NOS: 19
                                                                                                                                                                                                                                                                                                                                                                                                                                                                    PQYIEGEMRTRIRYNRRS 198
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ELSNHABLSVILALDVINAYVVGYRAGNSAYFFHFDNQEDAEAITHLFIDVQNRYTFAFG
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     SMALLSHAW, JOAN
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ation US/10282935
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     120030143193A1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              198
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            FOR MODIFYING TOXIC EFFECTS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          60
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        120
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 120
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ঠ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   문
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Ś
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Ś
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   밁
                                                                                                                                                               Ś
                                                                                                                                                                                                               당
                                                                                                                                                                                                                                                    8
                                                                                                                                                                                                                                                                                                  ద
                                                                                                                                                                                                                                                                                                                                      S
                                                                           S
                                                                                                                             밁
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Matches
```

```
; OTHER INFORMATION: Description of Artificial Sequence: OTHER INFORMATION: Peptide US-10-440-796-1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   US-10-083-336A-3
                                                                                                                                                                                                                                                                                                                                                             ; ORGANISM: Ricinus communis
US-10-083-336A-3
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       SOFTWARE: PatentIn Ver. 2.1 SEQ ID NO 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Sequence 3, Application US/10083336A Publication No. US20030181665A1 GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                   Matches 196;
                                                                                                                                                                                                                                                                                                       Query Match
Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                               APPLICANT: Olson, Mark A
APPLICANT: Willard, Charles B
APPLICANT: byrne, Michael P
APPLICANT: Wannemacher, Robert W
TITLE OF INVERVION: Ricin Vaccine and Methods of Making and Using Thereof
FILE REFRENCE: PG7452USG (RIID 01-58)
CURRENT APPLICATION NUMBER: US/10/083,336A
CURRENT FILING DATS: 2002-05-21
NUMBER OF SEQ ID NOS: 15
SOFTMARE: Patentin Ver. 2.1
TYPE: PRT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    TYPE: PRT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               MATCH 100.0%;
Local Similarity 100.0%;
les 198; Conservative 0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 181
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              181
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   121
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          121
                                                                                 123 YDRIEQLACNIRENIELGNGBLEEAISALYYYSTGGTQLFTLARSFIICIQMISEAARFQ 182
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      13
    183
                                             123
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            .
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  1 MVPKQYPIINETTAGATVQSYTNFIRAVRGRLTIGADVXHEIPVLPNRVGLPINQRFILV 60
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     267
                                                                                                                                                  63 SNHABLSVTLALDVTNAYVVGYRAGNSAYPFHPDNQEDAEAITHLFTDVQNRYTFAFGGN
                                                                                                                                                                                                                                    3 PKQYPIINFTTAGATVQSYTNFIRAVRGRLTTGADVRHEIFVLPNRVGLPINQRFILVEL
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           GNYDRIEGLAGNIRENIELGNGPLEEAISALYYYSTGGTQLPTLARSFIICIQMISEAAR 180
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          MVPKQYPIINETTAGATVQSYTNEIRAVRGRLTTGADVRHBIPVLPNRVGLPINQREILV
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 elsnhaelsvylaldvynayvvgyragnsayffhþdnqedabaithlfydvqnrytfafg
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      GNYDRLEQLAGNLRENIELGNGPLEEAISALYYYSTGGTQLPTLARSFIICIQMISEAAR
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 FOYIEGEMRTRIRYNRRS 198
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    FQYIEGEMRTRIRYNRRS 19B
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 BLSNHAELSVTLALDVTNAYVVGYRAGNSAYFFHPDNQEDABAITHLFTDVQNRYTFAFG
YIEGEMRIRIRYNRRS 198
                                                                                                                                                                                                        PKQYPIINFTTAGATVQSYTNFIRAVRGRLTTGADVRHEIPVLPNRVGLPINQRPILVBL
                                                                                                                                                                                                                                                                             99.1%; Score 1010; DB 12;
ilarity 100.0%; Pred. No. 1.5e-107;
Conservative 0; Mismatches 0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Score 1019; DB 12;
Pred. No. 2.2e-108;
; Mismatches 0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Indels
                                                                                                                                                                                                                                                                                                                          Length 198;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Synthetic
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            0
                                                                                                                                                                                                                                                                                        <u>.</u>.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       120
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            180
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            120
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 60
                                                 182
                                                                                                                               122
                                                                                                                                                                                                            62
                                                                                                                                                                                                                                                 62
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              0
```

YIEGEMRIRIRYNRRS 198

Copyright

GenCore version 5.1.6 (c) 1993 - 2004 Compugen Ltd

```
itle:
erfect score:
equence:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            4 protein -
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ost-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         inimum DB seq length: 0 aximum DB seq length: 2000000000
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           otal number of hits satisfying chosen parameters:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               coring table:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           pred. No. is the/number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.
                                                      protein search, using sw model
     US-10-083-336A-10
1029
1 MIFPKQYPIINFTTAGATVQ.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      BLOSUM62
Gapop 10.0 , Gapext 0.5
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         February 10, 2004, 16:18:30;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   328717 seqs, 42310858 residues
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Issued Patents AA: *
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              /cgm2_6/ptodata/1/iaa/5A_COMB.pep:*
/cgm2_6/ptodata/1/iaa/5B_COMB.pep:*
/cgm2_6/ptodata/1/iaa/6A_COMB.pep:*
/cgm2_6/ptodata/1/iaa/6B_COMB.pep:*
/cgm2_6/ptodata/1/iaa/PCTUS_COMB.pep:*
/cgm2_6/ptodata/1/iaa/PCTUS_COMB.pep:*
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         DB
                            US-08-356-786-8
US-08-356-786-10
US-07-988-430-1
US-07-988-430-1
US-08-448-1138-1
US-08-447-4848-1
US-08-466-360-1
US-08-466-360-1
US-08-486-360-1
US-08-488-751
US-08-485-286-27
US-08-485-286-37
US-08-485-286-77
US-08-485-286-73
US-08-485-286-73
US-08-485-286-73
US-08-485-286-73
US-08-485-380-6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   SUMMARIES
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ); Search time 11.5641 Seconds (without alignments) 731.761 Million cell updates/sec
Sequence 8, Appli
Sequence 10, Appli
Sequence 1, Appli
Sequence 27, Appli
Sequence 27, Appli
Sequence 16, Appli
Sequence 17, Appli
Sequence 17, Appli
Sequence 17, Appli
Sequence 18, Appli
Sequence 6, Appli
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Description
                                                                                             COMPUTER READABLE FORM:

COMPUTER READABLE FORM:

COMPUTER: IBM PC compatible
COMPUTER: IBM PC compatible
COMPUTER: IBM PC compatible
COMPUTER: IBM PC compatible
COMPUTER: Patentin Release #1.0, Versi
SOPERATING SYSTEM: PC-DOS/MS-DOS
SOPERATING PATE:
CULASSIFICATION NUMBER: US/08/356,786
FILING DATE:
CLASSIFICATION NUMBER: 07/831,967
FILING DATE: 06-FEB-1992
ATTORNEY/AGENT INFORMATION:
NAME: Pitcher, Edmand R.
REGISTRATION NUMBER: 27,829
REFERENCE/DOCKET NUMBER: CRP-053
TELECOMMUNICATION INFORMATION:
TELEPAN: (617) 248-7100
INFORMATION FOR SEQ ID NO: 8:
SEQUENCE CHARACTERISTICS:
SEQU
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          RESULT 1
US-08-356-786-8
                                    Best Local Similarity 100. Marches 200; Conservative
                                                                                          Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         STREET: Exchange Plac
CITY: Boston
STATE: Massachusetts
                                    100.0%; Score 1029; DB 2;
100.0%; Pred. No. 2.2e-112;
tive 0; Mismatches 0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ALIGNMENTS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Version #1.25
                                                                                                Length 268;
```

US-08-485-286-74
US-07-923-692C-4
US-08-184-237-4
US-08-484-391-4
US-08-484-502-4
US-08-484-502-4
US-08-485-731-15
US-08-485-786-71
US-08-485-786-71
US-08-485-784-7
US-08-485-784-7
US-08-485-731-6
US-08-485-7848-7
US-08-485-731-6
US-08-485-731-6
US-08-485-731-6
US-08-485-731-6
US-08-485-731-6
US-08-485-731-6
US-08-485-731-6
US-08-485-731-6
US-08-485-731-7 Sequence 74. Appli
4. Appli
71. Appli

Sequence 8, Application US/08356786

FACTORIE NO. 5877305

GENERAL INFORMATION:
APPLICANT: Huston, James S.
APPLICANT: Houston, L. L.
APPLICANT: Houston, L. L.
APPLICANT: Ring, David B.
TITIE OF INVENTION: Biosynthetic Binding Protein for Cancer TITLE OF INVENTION: Marker
INVEST OF SEQUENCES: 16
CORRESPONDENCE ADDRESS:
ADDRESSER: Edmund R. Pitcher, Testa, Hurwitz, & Thibeault STRETT: Exchange Place, 53 State Street

.0

Gaps

0

61 13

VELSNHAELSVTLALDVTNAYVVGYRAGNSAYFFHPDNQEDABAITHLFTDVQNRYTFAF 120

VELSNHAELSVILALDVINAYVVGYRAGNSAYFFHPDNQEDAEAITHLFTDVQNRYTFAF

120

Ś 밁 MIFFKQYFIINFTTAGATVQSYTNFIFAVRGRLTTGADVRHEIFVLFNRVGLFINQRFIL

60

Q

맑

MIPPKQYPIINPTTAGATVQSYTNPIRAVRGRLTTGADVRHEIPVLPNRVGLPINQRFIL 60

```
: MOLECULE TYPE: protein 
JS-08-356-786-10
                                                                                                                                                                                                         Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        APPLICANT: Opperma
                                                                                                                                                                                                                                                                                                                                                               TELEFAX: (617) 248-7100 INFORMATION FOR SEQ ID NO: 1 SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IEM FC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOPTWARE: Patentin Release #1.0, Version #1.25

CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                NAME: Pitcher, Edmund R.
REGISTRATION NUMBER: 27,929
REFERENCE/DOCKET NUMBER: CR
TELECOMMUNICATION INFORMATION:
TELEPHONE: (617) 248-7000
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        CLASSIFICATION: 424
PRIOR APPLICATION DATA:
PRIOR APPLICATION NUMBER: 07/831,967
PILING DATE: 06-FEB-1992
ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                TOPOLOGY:
                                                                                                                                                                                                                                                                                                                 TYPE: amino acids
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   APPLICATION NUMBER:
                                                                                                                                                               Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 LICANT: Oppermann, Hermann
LICANT: Houston, L. L.
LICANT: Ring, David B.
LICANT: Ring, David B.
LE OF INVENTION: Biosynthetic Binding Protein for Cancer
LE OF INVENTION: Marker
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          121
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      121
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        181
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       181 RFQYISGEMRTRIRYNRRSA 200
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ESSEE:
                               5
                                                                                                        1 MIEPKQYPIINETTAGATVQSYINFIRAVRGRLTTGADVRHEIPVLPNRVGLPINQRFIL 60
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               GGNYDRLEQLAGNLRENIELGNGPLEEAISALYYYSTGGTQLPTLARSPIICIQMISEAA 180
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      GGNYDRLEQLAGNLRENIBLGNGPLEBAISALYYYSTGGTQLPTLARSFIICIQMISEAA 180
VELSNHAELSVTLALDVTNAYVVGYRAGNSAYFFHPDNQEDAEAITHLFTDVQNRYTFAF 120
                                                                      MIFFKQYFIINFTTAGATVQSYTNFIRAVRGRLTTGADVRHEIFVLFNRVGLFINQRFIL 62
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          RPOYIEGEMRIRINYNRRSA 200
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Massachusetts
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Application US/08356786

    Bdmund R. Pitcher, Testa, Hurwitz, & Thibeault
Exchange Place, 53 State Street

                                                                                                                                                           100.0%; Score 1029; DB 2; Length 534; ilarity 100.0%; Pred. No. 6.le-112; Conservative 0; Mismatches 0; Indels 0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Huston, James S.
                                                                                                                                                                                                                                                                                                                                                                                                                              248-7000
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      us/08/356,786
                                                                                                                                                                                                                                                                                                                                                                                                                                                                         27, 829
CF
                                                                                                                                                                                                                                                                                                                                                                                       10:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                            CRP-053
                                                                                                                                                             0
                                                                                                                                                               0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      RESULT 3
US-07-901-707-1
                                                                                       S
                                                                                                                                          皮
                                                                                                                                                                              ঠ
                                                                                                                                                                                                                                                                                                                      US-07-901-707-1
                                                                                                                                                                                                                       Query Match 99.5%; Score 1024; DB 1; Length 267; Best Local Similarity 100.0%; Pred. No. 8.3e-112; Matches 199; Conservative 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                  TELEX: 25-3856
INFORMATION FOR SEQ ID NO: SEQUENCE CHARACTERISTICS:
LENGTH: 267 amino acids
TYPE: AMINO ACID
                                                                                                                                                                                                                                                                                                                                                                                                                                                                NAME: NO. 5370548888...35,302
REGISTRATION NUMBER: 35,302
REFERENCE/DOCKET NUMBER: 27129/30910
TELECOMOUNICATION INPORVATION:
TELEPHONE: (312) 346-5750
TELEPAX: (312) 984-5750
                                                                                                                                                                                                                                                                                                                                       MOLECULE TYPE: protein
                                                                                                                                                                                                                                                                                                                                                                 TOPOLOGY:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          COUNTRY:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ADDRESSEE:
  122 GNYDRLEQLAGNLRENIELGNGPLEEAISALYYYSTGGTQLFTLARSFIICIQMISEAAR 181
                                                                                                                                                                                   2 IFPKQYPIINFTTAGATVQSYTNFIRAVRGRLTTGADVRHEIPVLPNRVGLPINQRFILV
                                              ELSNHABLSVTLALDVTNAYVVGYRAGNSAYFFHPDNQEDAEAITHLFTDVQNRYTFAFG
                                                                             ELSNHABLSVTLALDVTNAYVVGYRAGNSAYFFHPDNQEDAEAITHLFTDVQNRYTFAFG 121
                                                                                                                                          IFPKQYPIINFTTAGATVQSYTNFIRAVRGRLTTGADVRHEIPVLPNRVGLPINQRFILV
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Street
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          NSA
```

<u>.</u>

Gaps

120

60 51

```
Sequence 1, Application US/07901707 Patent No. 5376546
COMPUTER READABLE FORM:
HEDIUM TYPE: Ploppy disk
COMPUTER: IBM PC compatible
COMPUTER: PC-DOS/MS-DOS
SOFTMARE: Patentin Release #1.0, Ve.
SOFTMARE: PATENTIN DATA:
APPLICATION DATA:
APPLICATION DATA:
APPLICATION 1435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/787,567
PILING DATE: 04-NOV-1991
ATTORNEY/AGENT INFORMATION:
NAME: No. 5376546and, Greta E.
SOCIETATION OF THE PROPERTY OF THE PROPE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   APPLICANT: Bernhard, Susan L.
APPLICANT: Better, Marc D.
APPLICANT: Carroll, Steve F.
APPLICANT: Lane, Julie A.
APPLICANT: Lane, Julie A.
TITLE OF INVENTION: Composition and Use for Ribosome-Inactivating Proteins
NUMBER OF SEQUENCES: 57
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        STATE: Chicago
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         181 RFQYIEGEMRTRIRYNRRSA 200
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             123
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               121 GGNYDRIEQLAGNIRBNIELGNGPLERAISALYYYSTGGTQLPTLARSFIICTQMISEAA 180
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    183
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      63 VBLSNHABLSVTLALDVINAYVVGYRAGNSAYFFHPDNQEDAEAITHLFTDVQNRYTFAF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             GGNYDRLEQLAGNLRENIELGNGPLEEAISALYYYSTGGTQLPTLARSFIICIQMISEAA 182
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    REQYIEGEMETRIRYNERSA 202
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Two First National Plaza,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Bickmell
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Marshall, O'Toole, Gerstein, Murray &
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Version #1.25
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        20 South Clark
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    122
```